**Table 1: March 18, 1998 - Subsystem Status.**

| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 1.0 | Escuadra /Cooper | • Analyzing TRMM data. (Anselmo, Hess, Lee, Spence, Weaver)<br>• Continue monitoring TRMM operations. (Hess, Weaver)<br>• Continue work to get Solar Angle data into the proper format for all Beta Angle plot types used with ERBE. (Filer)<br>• Completed updates to SS1 for Release 2.4. Changes include locations being geodetic at surface, second time constant turned on, spaceclamp fix, update to match new Metadata standard, etc. (Anselmo, Cooper, Escuadra, Hess, Rodier)<br>• Completed adding attributes to BDS and IES for units, etc. Working with Carla Franklin to develop standards for HDF attributes for CERES data products. (Rodier)<br>• Continue analyzing SpaceClamp data for short-scan profile. (Spence)<br>• Working with other subsystems to customize the generalized HDF read routines for their use. (Lee, Spence)<br>• Updating Read_IES for field name changes. This version will be delivered to cereslib when complete. Working with Walt Miller to insure all changes made to the code by Clouds are rolled into the version. (Spence)<br>• Updating view_hdf with latest upgrades requested by Jim Kibler and Bob Seals to make it more portable. DAAC may use this tool for QA purposes. (Lee)<br>• Gathering information on EOS-AM1 Level-0 data formats, ephemeris and attitude data, etc. Write-up out on ephemeris and attitude data for review. Questions/comments requested. (Weaver) | |

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|---|---|---|---|
| 2.0 | Chang | • Worked with Richard on tropical constants code. Added a check not to process a measurement if the SW filtered measurement is a default. Changed colatitude coverage range from +/- 30-deg to +/- 20-degs and the mean values of colat and long. Removed std calculation. (Chang)<br>• Redelivered the Subsystems to the DAAC through CM on 3/09/98. Worked with Sukdee on testing the newly delivered ERBE-like subsystems at the DAAC. Completed reprocessing 12/97 and 01/98 data at the DAAC. (Chang)<br>• Modified solar declination and ES4 housekeeping generators to only produce a month of values instead of a year of values. (Chang)<br>• Modified ERBE-like monthly PGE scripts and programs to include solar declination file and ES4 housekeeping file generators. (Chang)<br>• Examined ES-4 HDF_EOS file and solved its default value errors. (Chang)<br>• Corrected code to write processing data and time in UTC format, instead of local date and time, to the metadata files. (Chang)<br>• Attended 3/11/98 ERBE-like subsystem status meetings. (Chang)<br>• Modified the ES-8 product listing Web application to allow user to specify the production strategy (AtLaunch, ValidationR1, or most recent). (Flug)<br>• Added the ES-8 HDF-EOS read code to the ERBE-like software repository Web site. (Flug)<br>• Looking into the problem with the baseline geoscene types in the January 1998 IIGS file generated by SS2.1P1. ( Kizer)<br>• Working on ES4 HDF-EOS program and scripts to produce ES4 HDF-EOS. (Snell)<br>• Modifying ES8 HDF read code from Pete to convert an ES8 HDF-EOS file back to binary ES-8. (Snell) | |
| 3.0 | Chang | • Combined with above. | |

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| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 4.1 | Murray | • Working with the Clouds Working Group, redefined the internal representation of the CERES CloudMask. Will pass this information into the CloudVis product for display in the DX. Modified the DX interface to display this additional information. (Sun-Mack)<br>• Derived statistics on the execution rates of the various parts of the CloudMask. Determined which tests are used most often with many tests. (Sun-Mack)<br>• Prepared a detailed presentation regarding the calculation of Clear Sky reflectances. Presented to the CWG. (Sun-Mack)<br>• Performed some studies on the startup CRH maps for October and January. Passed this information on to Working Group. (Sun-Mack)<br>• Worked with DAAC personnel to evaluate production runs and determine production status. (Murray)<br>• Continued work on a web page to display some preliminary CloudMask results derived from the VIRS data. Produced images from January 5, 1998 for Subset regions 2, 7, 10, 15, 19, and 25. (Murray)<br>• Extended the error messages of the PCF Input file generators at some of the more frequent failure points. (Murray)<br>• Worked with Chris Currey to produce hourly CloudVis files covering the 52 regions that he requested data for the Coastline analysis. (Murray) | |
| 4.2 | Murray | • Combined with above. | |
| 4.3 | Murray | • Combined with above. | |

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| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 4.4 | McKinley | • Investigating five failed hours in DAAC processing for dates since cover off. Successfully reran first four hours using production executable and input files. Fifth hour not attempted yet. (Miller)<br>• Continued validation of the TRMM SSF using DX and IDL. (McKinley, Miller)<br>• Requested MODIS example and simulation data sets. (Miller)<br>• Determined EOS-AM1 point spread function with Mr. Green. (Miller)<br>• Incorporated simple geodetic to geocentric conversion into code. (Miller)<br>• Investigating anomaly in quality control results when missing channel 5 radiance encountered. (Miller)<br>• Completed prototype of binary quality control print routines for convolution portion. (Miller) | |
| 4.5 | Nolan | • Initiated modifications to SW spectral correction Module. SW radiances will be unfiltered using only the SW channel component. (Nolan)<br>• Initiated modifications to Subsystems 4.5 and 4.6 software for changes from geocentric to geodetic coordinate system. (Nolan)<br>• Initiated modifications to Subsystems 4.5 and 4.6 software for changes in the units of the WN channel radiances. (Nolan)<br>• Began looking at production SSFs to determine the correct tolerance for the 3 channel consistency check, using the current input coefficients. Richard wants to be sure that we are not setting defaults for good data. (Nolan)<br>• Worked with Linda Hunt to fix a problem with the SSF HDF reader that occurred on an HP and on samantha. It now works on all machines used by the DAAC. (Franklin)<br>• Continued work to add attributes and dimension names on the HDF product. (Franklin)<br>• Provided, to the DAAC, an update to the ASCII file generator for PGE CER4.5-61P1 for when MOA's configuration code is different from the Interim SSF's configuration code. (Franklin) | |

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| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 4.6 | Nolan | • Combined with above. | |
| 5.0 | Coleman | • Completed tailoring the Spence HDF reader code for the CRS. (Gupta)<br>• Updated CRS listing for DPC to reflect SSF geodetic changes. (Coleman, Gupta)<br>• Continued work on software to analyze multiple QC reports at one time. (Coleman) | |
| 7.2 | Coleman | • Combined with above. | |
| 12.0 | Coleman | • Redelivered RegridMOA Subsystem with corrected software to the DAAC. (Kizer)<br>• Modified and tested Regrid MOA Subsystem with new DAO GEOS-2 data. (Kizer)<br>• Met with Fred Rose, Shashi Gupta and Dave Kratz to discuss problems with SSM/I data. Generated several plots to verify problems and possible corrections. (Kizer, Coleman)<br>• Generated and supplied DAAC with software for preprocessing of NCEP Surface Flux files to extract backup Surface Temperature input data. (Kizer)<br>• Attended teleconference between CERES, MOPITT, MISR, DAO, and the Langley DAAC. (Coleman, Kizer) | |
| 7.1 | Jimenez | • Combined with below. | |
| 8.0 | Jimenez | • Combined with below. | |
| 10.0 | Jimenez | • Made an update delivery to CERES CM. (Jimenez)<br>• Continue to modify and write test routines in order to verify subsystem code. (Raju)<br>• Completed modifications to Test Plan, Delivery Memo, and scripts for update delivery. (Jimenez)<br>• Made corrections to the draft HDF DPC. (Jimenez, Raju)<br>• Continued adding code to compute precipitable water beneath the cloud needed for column-weighted algorithms. (Jimenez)<br>• Made modifications to surface module to correct problems found during testing (input structures to surface algorithms were not being filled correctly). (Jimenez, Raju) | |

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|---|---|---|---|
| 6.0 | McKoy | • The TISA Gridding software was delivered to the Langley DAAC. (McKoy).<br>• Completed updating the Test Plan for this delivery of the TISA Gridding software. (McKoy).<br>• Reviewing the DPCs for FSW and SFC. (McKoy, Costulis, Mitchum)<br>• Corrected the DPCs for FSW and SFC and delivered them to documentation. (McKoy)<br>• Looking at the TISA Gridding software that was delivered for the 30-day test for the SSF hours that failed. (McKoy)<br>• Working on the read software for the TISA Gridding products. Successfully read the FSW HDF product using a slightly adjusted version of Pete Spence's HDF read program. (Nguyen) | |
| 9.0 | McKoy | • Combined with above. | |
| 11.0 | Stassi/ Fan | • Dumped GGEO data for web plots. (Stassi)<br>• Created web plots from the dump programs. (Liu)<br>• Running the entire month for Dec'97 in validation mode. (Stassi)<br>• Studying the GRaDS program in order to display the special validation regions similar to what is being done in the ERBE-like subsystem. (Fan) | |
| CERESlib Stassi/ Fan | | • Putting WN_chan_width values into CERESlib. (Geier, Stassi)<br>• Added a C interface for the HDFEOS_version() function. (Stassi) | • GRing points need to be specified clockwise. |
| CM | Ayers | • Tested and delivered CERES Subsystems 12.0 (Regrid MOA), 6.0 & 9.0 (TISA Gridding), and 7.1, 8.0, & 10.0 (TISA Averaging) and made delta deliveries of Subsystems 2.0 & 3.0 (ERBE-like) and 4.1 - 4.4 (Clouds) to the DAAC. (Ayers) | |
| IST | Flug | • Made some minor changes to the code to make it easier for the user to locate the more recent snap files and reports in the file selection lists. | |